On page 5, lines 19-20, change "weight. The" to --weight, the--.

On page 6, line 23, before "complementary", insert -- (SEQ. ID. No. 1) --.

On page 6, line 24, before "of", insert -- (SEQ. ID. No. 2) --.

On page 6, line 27, change "clones" to --clone--.

On page 6, line 32, before "(also", insert -- (SEQ. ID. No. 3) --.

On page 7, line 9, before "(also", insert --(SEQ. ID. No. 4) --.

On page 9, line 7, after the word "sequence" but before the ":", please insert --

(SEQ. ID. No. 5)--.

Please delete lines 8-35 on page 9 and lines 1-17 on page 10, and insert the

following:

-- CAAGTTGAAA	GCAACAACAG	AACTGTAAAT	TCTCTTGCAG	TGAAATCTCT	GCTCATGTCA	60
GCAGAAAACA	ACATCATGCC	TAACTCTCAA	GCTTCCACTG	ATTCTCATTT	CAAGCTGAGC	120
CTCTGGCTAA	GGGTTCCAAA	GGTTTTGAAG	CAGGTTTCCA	TTCAGAAATT	GTTCAAGGTT	180
GCAGGAGATG	AAACAAACAA	AACATTTTAT	TTATCTATTG	CCTGCATTCC	AAACCATAAC	240
AGTGTTGAGA	CAGCTTTAAA	CATTACTGTT	ATTTGCAAGC	ATCAGCTCCC	AATTCGCAAA	300
TGCAAAGCTC	CTTTTGAATT	ATCAATGATG	TTTTCTGATT	TAAAGGAGCC	TTACAACATT	360
GTTCATGACC	CTTCATACCC	CAAAGGATCG	GTTCCAATGC	TCTGGCTCGA	AACTCACACA	420
TCTTTGCACA	AGTTCTTTGC	AACTAACTTG	CAAGAAGATG	TAATCATCTA	CACTTTGAAC	480
AACCTTGAGC	TAACTCCTGG	AAAGTTAGAT	TTAGGTGAAA	GAACCTTGAA	TTACAGTGAA	540
GATGCCTACA	AAAGGAAATA	TTTCCTTTCA	AAAACACTTG	AATGTCTTCC	ATCTAACACA	600
CAAACTATGT	CTTACTTAGA	CAGCATCCAA	ATCCCTTCAT	GGAAGATAGA	CTTTGCCAGA	660
GGAGAAATTA	AAATTTCTCC	ACAATCTATT	TCAGTTGCAA	AATCTTTGTT	AAAGCTTGAT	720
TTAAGCGGGA	TCAAAAAGAA	AGAATCTAAG	GTTAAGGAAG	CGTATGCTTC	AGGATCAAAA	780
TAATCTTGCT	TTGTCCAGCT	TTTTCTAATT	ATGTTATGTT	TATTTTCTTT	CTTTACTTAT	840
AATTATTTCT	CTGTTTGTCA	TCTCTTTCAA	ATTCCTCCTG	TCTAGTAGAA	ACCATAAAAA	900
CAAAAAATAA	AAATGAAAAT	AAAATTAAAA	TAAAATAAAA	TCAAAAAATG	AAATAAAAAC	960
AACAAAAAAT	TAAAAAACGA	AAAACCAAAA	AGACCCGAAA	GGGACCAATT	TGGCCAAATT	1020
TGGGTTTTGT	TTTTGTTTTT	TGTTTTTTGT	TTTTTATTTT	TTATTTTATT	TTTATTTTAT	1080
TTTATTTTTA	TTTTATTTTT	ATTTTATTTA	TTTTTTGTTT	TCGTTGTTTT	TGTTATTTTA	1140
TTATTTATTA	AGCACAACAC	ACAGAAAGCA	AACTTTAATT	AAACACACTT	ATTTAAAATT	1200
TAACACACTA	AGCAAGCACA	AGCAATAAAG	ATAAAGAAAG	CTTTATATAT	TTATAGGCTT	1260

```
TTTTATAATT TAACTTACAG CTGCTTTCAA GCAAGTTCTG CGAGTTTTGC CTGCTTTTTA    1320

ACCCCGAACA TTTCATAGAA CTTGTTAAGA GTTTCACTGT AATGTTCCAT AGCAACACTC    1380

CCTTTAGCAT TAGGATTGCT GGAGCTAAGT ATAGCAGCAT ACTCTTTCCC CTTCTTCACC    1440

TGATCTTCAT TCATTTCAAA TGCTTTGCTT TTCAGCACAG TGCAAACTTT TCCTAAGGCT    1500

TCCTTGGTGT CATACTTCTT TGGGTCGATC CCGAGGTCCT TGTATTTTGC ATCCTGATAT    1560

ATAGCCAAGA CAACACTGAT CATCTCAAAG CTATCAACTG AAGCAATAAG AGGTAAGCTA    1620

CCTCCCAGCA TTATGGCAAG TCTCACAGAC TTTGCATCAT CGAGAGGTAA TCCATAGGCT    1680

TGAATCAAAG GATGGGAAGC AATCTTAGAT TTGATAGTAT TGAGATTCTC AGAATTCCCA    1740

GTTTCTTCAA CAAGCCTGAC CCTGATCAAG CTATCAAGCC TTCTGAAGGT CATGTCAGTG    1800

CCTCCAATCC TGTCTGAAGT TTTCTTTATG GTAATTTTAC CAAAAGTAAA ATCGCTTTGC    1860

TTAATAACCT TCATTATGCT CTGACGATTC TTTAGGAATG TCAGACATGA AATAACGCTC    1920

ATCTTCTTGA TCTGGTCGAT GTTTTCCAGA CAAAAAGTCT TGAAGTTGAA TGCTACCAGA    1980

TTCTGATCTT CCTCAAACTC AAGGTCTTTG CCTTGTGTCA ACAAAGCAAC AATGCTTTCC    2040

TTAGTGAGCT TAACCTTAGA CATGATGATC GTAAAAGTTG TTATATGCTT TGACCGTATG    2100

TAACTCAAGG TGCGAAAGTG CAACTCTGTA TCCCGCAGTC GTTTCTTAGG TTCTTAATGT    2160

GATGATTTGT AAGACTGAGT GTTAAGGTAT GAACACAAAA TTGACACGAT TGCTCT       2216 --
```

On page 10, line 21, after "783" but before the ":", please insert --(SEQ. ID. No. 7)--.

Please delete lines 22-39 on page 10 and lines 1-18 on page 11, and insert the following:

```
-- Gln Val Glu Ser Asn Asn Arg Thr Val Asn Ser Leu Ala Val Lys Ser
   1               5               10              15

   Leu Leu Met Ser Ala Glu Asn Asn Ile Met Pro Asn Ser Gln Ala Ser
             20              25              30

   Thr Asp Ser His Phe Lys Leu Ser Leu Trp Leu Arg Val Pro Lys Val
             35              40              45

   Leu Lys Gln Val Ser Ile Gln Lys Leu Phe Lys Val Ala Gly Asp Glu
       50              55              60

   Thr Asn Lys Thr Phe Tyr Leu Ser Ile Ala Cys Ile Pro Asn His Asn
   65              70              75              80

   Ser Val Glu Thr Ala Leu Asn Ile Thr Val Ile Cys Lys His Gln Leu
                 85              90              95
```

```
Pro Ile Arg Lys Cys Lys Ala Pro Phe Glu Leu Ser Met Met Phe Ser
            100             105             110

Asp Leu Lys Glu Pro Tyr Asn Ile Val His Asp Pro Ser Tyr Pro Lys
            115             120             125

Gly Ser Val Pro Met Leu Trp Leu Glu Thr His Thr Ser Leu His Lys
            130             135             140

Phe Phe Ala Thr Asn Leu Gln Glu Asp Val Ile Ile Tyr Thr Leu Asn
145             150             155             160

Asn Leu Glu Leu Thr Pro Gly Lys Leu Asp Leu Gly Glu Arg Thr Leu
            165             170             175

Asn Tyr Ser Glu Asp Ala Tyr Lys Arg Lys Tyr Phe Leu Ser Lys Thr
            180             185             190

Leu Glu Cys Leu Pro Ser Asn Thr Gln Thr Met Ser Tyr Leu Asp Ser
            195             200             205

Ile Gln Ile Pro Ser Trp Lys Ile Asp Phe Ala Arg Gly Glu Ile Lys
    210             215             220

Ile Ser Pro Gln Ser Ile Ser Val Ala Lys Ser Leu Leu Lys Leu Asp
225             230             235             240

Leu Ser Gly Ile Lys Lys Lys Glu Ser Lys Val Lys Glu Ala Tyr Ala
            245             250             255

Ser Gly Ser Lys
            260 --
```

On page 11, line 21, after the word "gene" (second occurrence) but before the ".", please insert --(SEQ. ID. No. 6)--.

On page 12, line 20, after the word "gene" but before the ".", please insert --(SEQ. ID. No. 8)--.

On page 13, line 9, after the word "is" and before ":", please insert --(SEQ. ID. No. 9)--.

On page 16, line 23, change "in vitro" to --*in vitro*--.

On page 16, line 33, change "a nd" to --and--.

On page 18, line 31, change "teh" to --the--.

On page 19, line 26, change "TSWV-BI" to --TSWV-BL--.

On page 21, line 32, change "viron" to --virion--.

On page 22, line 7, change "viron" to --virion--.

On page 22, line 28, change "symptomless" to --Symptomless--.

On page 22, line 33, change "cold" to --could--.

On page 23, line 18, change "viron" to --virion--.

On page 24, line 8, change "symptomless" to --symptomless--.

On page 26, line 22, before the ",", insert -- (SEQ. ID. No. 10) --.

On page 26, line 33, before "complementary", insert -- (SEQ. ID. No. 11) --.

On page 27, line 1, change "anshor" to --anchor--.

On page 27, line 2, before "that", insert -- (SEQ. ID. No. 17) --.

On page 27, line 4, change "amplified fragement" to --amplified fragment--.

On page 27, line 7, before "close", insert -- (SEQ. ID. No. 16) --.

On page 27, line 28, after the word "is" but before the ":", please insert -- (SEQ. ID. No. 14)--.

On page 29, line 22, after the word "are" but before the ":", please insert -- (SEQ. ID. No. 12)--.

Please delete lines 23-38 on page 29, lines 1-44 on page 30, and lines 1-3 on page 31, and insert the following:

```
-- Met Ser Ser Gly Val Tyr Glu Ser Ile Ile Gln Thr Lys Ala Ser Val
   1             5             10          11          15

   Trp Gly Ser Thr Ala Ser Gly Lys Ser Ile Val Asp Ser Tyr Trp Ile
           20              25              30

   Tyr Glu Phe Pro Thr Gly Ser Pro Leu Val Gln Thr Gln Leu Tyr Ser
           35              40              45

   Asp Ser Arg Ser Lys Ser Ser Phe Gly Tyr Thr Ser Lys Ile Gly Asp
       50              55              60

   Ile Pro Ala Val Glu Glu Glu Ile Leu Ser Gln Asn Val His Ile Pro
   65              70              75              80

   Val Phe Asp Asp Ile Asp Phe Ser Ile Asn Ile Asn Asp Ser Phe Leu
               85              90              95

   Ala Ile Ser Val Cys Ser Asn Thr Val Asn Thr Asn Gly Val Lys His
               100             105             110

   Gln Gly His Leu Lys Val Leu Ser Leu Ala Gln Leu His Pro Phe Glu
           115             120             125

   Pro Val Met Ser Arg Ser Glu Ile Ala Ser Arg Phe Arg Leu Gln Glu
       130             135             140

   Glu Asp Ile Ile Pro Asp Asp Lys Tyr Ile Ser Ala Ala Asn Lys Gly
   145             150             155             160

   Ser Leu Ser Cys Val Lys Glu His Thr Tyr Lys Val Glu Met Ser His
               165             170             175
```

```
Asn Gln Ala Leu Gly Lys Val Asn Val Leu Ser Pro Asn Arg Asn Val
            180             185             190

His Glu Trp Leu Tyr Ser Phe Lys Pro Asn Phe Asn Gln Ile Glu Ser
            195             200             205

Asn Asn Arg Thr Val Asn Ser Leu Ala Val Lys Ser Leu Leu Met Ala
    210             215             220

Thr Glu Asn Asn Ile Met Pro Asn Ser Gln Ala Phe Val Lys Ala Ser
225             230             235             240

Thr Asp Ser His Phe Lys Leu Ser Leu Trp Leu Arg Ile Pro Lys Val
                245             250             255

Leu Lys Gln Ile Ala Ile Gln Lys Leu Phe Lys Phe Ala Gly Asp Glu
            260             265             270

Thr Gly Lys Ser Phe Tyr Leu Ser Ile Ala Cys Ile Pro Asn His Asn
            275             280             285

Ser Val Glu Thr Ala Leu Asn Val Thr Val Ile Cys Arg His Gln Leu
    290             295             300

Pro Ile Pro Lys Ser Lys Ala Pro Phe Glu Leu Ser Met Ile Phe Ser
305             310             315             320

Asp Leu Lys Glu Pro Tyr Asn Thr Val His Asp Pro Ser Tyr Pro Gln
            325             330             335

Arg Ile Val His Ala Leu Leu Glu Thr His Thr Ser Phe Ala Gln Val
            340             345             350

Leu Cys Asn Lys Leu Gln Glu Asp Val Ile Ile Tyr Thr Ile Asn Ser
    355             360             365

Pro Glu Leu Thr Pro Ala Lys Leu Asp Leu Gly Glu Arg Thr Leu Asn
370             375             380

Tyr Ser Glu Asp Ala Ser Lys Lys Lys Tyr Phe Leu Ser Lys Thr Leu
385             390             395             400

Glu Cys Leu Pro Val Asn Val Gln Thr Met Ser Tyr Leu Asp Ser Ile
            405             410             415

Gln Ile Pro Ser Trp Lys Ile Asp Phe Ala Arg Gly Glu Ile Arg Ile
            420             425             430

Ser Pro Gln Ser Thr Pro Ile Ala Arg Ser Leu Leu Lys Leu Asp Leu
            435             440             445

Ser Lys Ile Lys Glu Lys Lys Ser Leu Thr Trp Glu Thr Ser Ser Tyr
    450             455             460

Asp Leu Glu
465         --
```

On page 31, line 4, after the word "and", please insert --(SEQ. ID. No. 13)--.

On page 31, line 41, after the word "is" but before the ":", please insert -- (SEQ. ID. No. 15)--.

Please delete lines 42-43 on page 31 and lines 1-16 on page 32, and replace with the following:

-- TTATGCAACA	CCAGCAATCT	TGGCCTCTTT	CTTAACTCCA	AACATTTCAT	AGAATTTGTC	60
AAGATTATCA	CTGTAATAGT	CCATAGCAAT	GCTTCCCTTA	GCATTGGGAT	TGCAAGAACT	120
AAGTATCTTG	GCATATTCTT	TCCCTTTGTT	TATCTGTGCA	TCATCCATTG	TAAATCCTTT	180
GCTTTTAAGC	ACTGTGCAAA	CCTTCCCCAG	AGCTTCCTTA	GTGTTGTACT	TAGTTGGTTC	240
AATCCCTAAC	TCCTTGTACT	TTGCATCTTG	ATATATGGCA	AGAACAACAC	TGATCATCTC	300
GAAGCTGTCA	ACAGAAGCAA	TGAGAGGGAT	ACTACCTCCA	AGCATTATAG	CAAGTCTCAC	360
AGATTTTGCA	TCTGCCAGAG	GCAGCCCGTA	AGCTTGGACC	AAAGGGTGGG	AGGCAATTTT	420
TGCTTTGATA	ATAGCAAGAT	TCTCATTGTT	TGCAGTCTCT	TCTATGAGCT	TCACTCTTAT	480
CATGCTATCA	AGCCTCCTGA	AAGTCATATC	CTTAGCTCCA	ACTCTTTCAG	AATTTTTCTT	540
TATCGTGACC	TTACCAAAAG	TAAAATCACT	TTGGTTCACA	ACTTTCATAA	TGCCTTGGCG	600
ATTCTTCAAG	AAAGTCAAAC	ATGAAGTGAT	ACTCATTTTC	TTAATCAGGT	CAAGATTTTC	660
CTGACAGAAA	GTCTTAAAGT	TGAATGCGAC	CTGGTTCTGG	TCTTCTTCAA	ACTCAACATC	720
TGCAGATTGA	GTTAAAAGAG	AGACAATGTT	TTCTTTTGTG	AGCTTGACCT	TAGACAT	777

The complementary nucleic acid molecule has a nucleotide sequence as shown in SEQ. ID. No. 19.--.

On page 32, line 24, change "vial" to --viral--.

On page 33, line 29, change "the" to --The--.

On page 33, line 32, change "differs" to --differ--.

On page 34, line 17, change "exactly same positions" to --exact same position--.

On page 35, line 12, change "event." to --event,--.

On page 35, line 13, change "Tospovirus" to --Tospovirus--.

On page 36, line 10, change "generated" to --generate--.

On page 36, line 27, change "Np" to --NP--.

On page 39, line 16, after "virus" insert --was--.

On page 39, line 17, change ", and is" to --and was--.

On page 40, line 25, change "resistant" to --resistance--.

On page 41, line 3, before "and", insert -- (SEQ. ID. No. 20) --.

On page 41, line 4, before ",", insert -- (SEQ. ID. No. 21) --.

On page 41, line 10, after "plants" insert --that--.

On page 41, line 11, change "greenhouse. All" to --greenhouse, all--.

On page 43, line 9, after "appearance" insert --.--

On page 43, line 15, change "pants" to --plants--.

On page 45, line 19, change "vecor" to -- vector --.

On page 45, line 33, before ";", insert -- (SEQ. ID. No. 22) --.

On page 45, line 35, before ",", insert -- (SEQ. ID. No. 23) --.

On page 46, line 31, before "was", insert -- (SEQ. ID. No. 24) --.

On page 47, line 11, change "Hewlet Scanjet" to --Hewlett Scanjet™--.

On page 51, line 2, change "Tospoviruses" to --*Tospoviruses*--.

On page 53, line 11, change "Tospovirus" to --*Tospovirus*--.

On page 53, line 14, change "realated" to --related--.

On page 53, line 16, change "RNE" to --RNA --.

On page 53, line 28, change "geflerqated" to --generated--.

On page 54, line 2, before ",", insert -- (SEQ. ID. No. 25) --.

On page 54, line 4, before "for", insert -- (SEQ. ID. No. 26) --.

On page 54, line 6, before "for", insert -- (SEQ. ID. No. 27) --.

On page 54, line 10, before "which", insert -- (SEQ. ID. No. 28) --.

On page 54, line 12, before "for", insert -- (SEQ. ID. No. 29) --.

On page 54, line 15, before "for", insert -- (SEQ. ID. No. 30) -- and change "untranslatablesecond" to -- untranslatable second --.

On page 54, line 33, change "expressin" to --expression--.

On page 55, line 23, change "fragemnts" to --fragments--.

On page 55, line 32, change "fragements" to --fragments--.

On page 55, line 30, change "prodcing" to -- producing --.

On page 55, line 34, change "expressin" to -- expression --.

On page 56, line 4, change "trnscription" to --transcription--.

On page 56, line 6, change "pant" to -- plant -- and change "resluting" to -- resulting --.

On page 56, line 32, change "variojs" to -- various --.

On page 57, line 23, change "portin" to -- portion --.